



Recombinant Protein AG

Product Name: Recombinant Protein AG (r-PAG)

Catalog Number: NRPA14

Packing Details: 1 mg, 10 mg, 100 mg, 500 mg

Formulation: Lyophilized from 5mM PB(4mM Na₂HPO₄, 1mM NaH₂PO₄, pH7.4)

Mol. Wt.: 56.3kDa

Theory pl: 4.74

Theory Activity: 18.1 U/mg protein (rc-SA:Biotin = 1:4(mol:mol))

Resources: Escherichia coli (E. coli)

Purity: ≥95% by SDS-PAGE analysis

Absorption coefficient: 280nm absorption method, molar absorption coefficient is $3.74 \times 10^4 (\text{mol/L})^{-1} \cdot \text{cm}^{-1}$, c(g/L)
 $= A_{280\text{nm}}/0.66$

Endotoxin: ≤5EU/mg

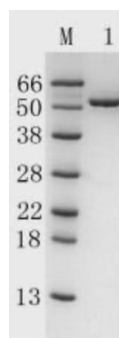
Resources: Escherichia coli (E. coli)

Storage Condition: -20°C

Storage Duration: 3 years

Description:

The recombinant protein a protein G fusion protein (r-pag) fused 8 antibody Fc binding regions, including 5 Fc binding domains of Staphylococcus aureus protein A and 3 Fc binding domains of Streptococcus protein G, and removed the cell wall binding domain, albumin binding domain and non-specific binding domain of protein A and protein G. Compared with single protein A or protein G, it has a wider binding range, and can bind to all human IgG subtypes, IgA, IgE and IgM, but not to mouse IgA, IgM and serum albumin. It is suitable for the extraction and detection of mouse IgG monoclonal antibody. At the same time, the fused r-pag reduced the pH dependence and allowed binding at pH5-8.



M: Protein marker standard

Lane 1: r-PAG

Gentaur Europe BVBA

Voortstraat 49, 1910 Kampenhout BELGIUM
0032 16 58 90 45 info@gentaur.com

Genprice Inc.

547 Yurok Cir San Jose, CA 95123, USA
(408) 780-0908 genprice@gentaur.com